



UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: William L. Brenneman, et al. Docket: 102426-300  
Serial No.: 10/777,940 Art Unit: 1775  
Filed: February 11, 2004 Examiner: Lam, Cathy, F.F.  
Assignee: Olin Corporation Conf. No. 5347  
Title: LASER ABLATION RESISTANT COPPER FOIL

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL  
LETTER**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, please find enclosed an Information Disclosure Statement, Form PTO-1449 and one copy of each cited reference. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being:

- ☒ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office via facsimile at (703) 872-9306.

Date: June 24, 2005

Signed: 

Elizabeth A. Galletta

06/29/2005 WABDELRI 00000064 231665 10777940  
01 FC:1806 180.00 DA

- ☐ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1); and no fee is required under 37 C.F.R. §1.17(p).
- ☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2); and no fee is required under 37 C.F.R. §1.17(p).
- ☐ Please charge Deposit Account No. 23-1665 in the amount of \$180.00 in payment of the fee under 37 C.F.R. §1.17(p). Two additional copies of this Information Disclosure Statement are enclosed.
- ☐ A check in the amount of \$180.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(p).
- ☒ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered.


- ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
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The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as a representation that no better art exists or that a thorough patentability search has been made.

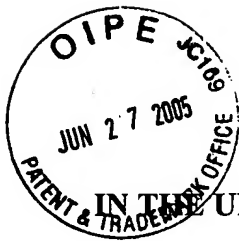
The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,  
William L. Brenneman, et al.

Date: June 24, 2005

  
Elizabeth A. Galletta  
Reg. No. 52,941

**CONTACT INFORMATION:**  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Serial No.: 10/777,940      Art Unit: 1775  
Filed: February 11, 2004      Examiner: Lam, Cathy F.F.  
Assignee: Olin Corporation      Customer No. 27267  
Title: LASER ABLATION RESISTANT COPPER FOIL

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicant wishes to make of record the items on attached PTO Form 1449 which were considered in the prosecution of the subject application. Copies of the references are provided herein.

**Certificate of Mailing**

I hereby certify under 37 CFR 1.8(a) that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service for delivery by Express Mail, Label No. EV 544765947 US, on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 24, 2005  
Date

Signed: \_\_\_\_\_

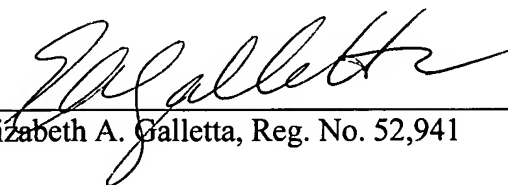
*E. Galletta*  
Elizabeth A. Galletta

1. Venkat, S., "High-Volume Microvia Formation Using CO<sub>2</sub> and UV Diode-Pumped Solid-State Lasers," presented at *IPC Printed Circuits Expo*, 2001

The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as representation that no better art exists or that a thorough patentability search has been made.

Respectfully submitted,  
William L. Brenneman, et al.

Date: June 24, 2005

  
Elizabeth A. Galletta, Reg. No. 52,941

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FORM PTO-1449

INFORMATION DISCLOSURE		ATTY. DOCKET NO. 102426-300		SERIAL NO. 10/777,940		
		APPLICANT: WILLIAM L. BRENNEMAN				
		FILING DATE: FEB. 11, 2004		GROUP: 1775		
U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPR.
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
Venkat, S., "High-Volume Microvia Formation Using CO <sub>2</sub> and UV Diode-Pumped Solid-State Lasers," presented at <i>IPC Printed Circuits Expo</i> , 2001						
EXAMINER:				DATE CONSIDERED:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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